

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

Listing of Claims

1. (Currently Amended) A ~~computer-readable~~ non-transitory recording medium storing a data structure managing reproduction of multi-path video data by a reproducing apparatus, comprising:
 - a data area storing the multi-path video data; and
 - a management information area storing title management information,
 - the title management information managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,
 - at least a first title of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by the first title and beginning reproduction of video data identified by another of the titles, the title jump skipping video data identified by the second title.

2. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein each of the titles has type information to identify

whether the title is an entry title or not.

3. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 2, wherein titles not pertaining to the title block are specified to entry titles by the type information.

4. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein the entry and non-entry titles pertaining to the title block are regarded as a single title when title jump is conducted and title selection menu is displayed.

5. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein, if one title is not selected from the title block within a predetermined time, a video data section associated with a title in the title block specified to an entry title is reproduced.

6. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein, if jump to a previous/next title is requested during reproduction of a title pertaining to the title block, another entry title adjacent to and not pertaining to the title block is reproduced.

7. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein the different reproduction paths are assigned to

different parental levels, respectively.

8. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein each of the titles has information to access a playlist including at least one playitem that points to a part of the multi-path video data.

9. (Currently Amended) The ~~computer-readable~~ non-transitory recording medium of claim 1, wherein the title management information includes title selection menu data or information to access title selection menu data.

10. (Currently Amended) A method of recording a data structure for managing reproduction of multi-path video data on a ~~computer-readable~~ non-transitory recording medium, comprising:

recording the multi-path video data in a data area on the ~~computer-readable~~ non-transitory recording medium; and

recording title management information on the ~~computer-readable~~ non-transitory recording medium, wherein:

the title management information manages a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a reproduction start point of the title block during a

title jump, the title jump stopping reproduction of video data identified by the first title and beginning reproduction of video data identified by another of the titles, the title jump skipping video data identified by the second title.

11. (Previously Presented) An apparatus for recording a data structure managing reproduction of multi-path video data on a recording medium, the apparatus comprising:

a pickup configured to record data on the recording medium;

an encoder configured to encode the multi-path video data; and

a controller, operably coupled to the pickup, configured to control recording the encoded multi-path video data and title management information on the recording medium,

the title management information managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by the first title and beginning reproduction of video data identified by another of the titles, the title jump skipping video data identified by the second title.

12. (Currently Amended) A method of reproducing a data structure managing

reproduction of multi-path video data recorded on a ~~computer-readable non-transitory recording~~ medium by a reproduction apparatus, the method comprising:

reproducing title management information from a management information area on the ~~computer-readable non-transitory recording~~ medium; and

reproducing the multi-path video data from a data area on the ~~computer-readable non-transitory recording~~ medium based on the title management information,

the title management information managing a plurality of titles, each title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by the first title and beginning reproduction of video data identified by another of the titles, the title jump skipping video data identified by the second title.

13. (Previously Presented) The method of claim 12, wherein the entry and non-entry titles pertaining to the title block are regarded as a single title when the title jump is conducted and title selection menu is displayed.

14. (Previously Presented) The method of claim 13, further comprising the step of, if jump to a previous/next title is requested during reproduction of a title pertaining to the title block, reproducing another entry title adjacent to and not pertaining to the title block.

15. (Original) The method of claim 13, further comprising the step of displaying one title menu item for all titles pertaining to the title block when a title selection menu is outputted.

16. (Original) The method of claim 12, wherein, if one title is not selected from the title block within a predetermined time, a video data section associated with a title in the title block specified to an entry title is reproduced.

17. (Previously Presented) An apparatus for reproducing a data structure for managing reproduction of multi-path video data recorded on a recording medium, the apparatus comprising:

a pickup configured to read data recorded on the recording medium;

a decoder configured to decode the reproduced data; and

a controller, operably coupled to the pickup, configured to control reproducing title management information from the recording medium and the multi-path video data from the recording medium based on the title management information,

the title management information managing a plurality of titles, each

title identifying a reproduction path of the multi-path video data for reproduction of the multi-path video data at the reproduction path,

at least a first title of the titles being an entry title of a title block and at least a second title of the titles being a non-entry title of the title block, the first title defining a reproduction start point of the title block during a title jump, the title jump stopping reproduction of video data identified by the first title and beginning reproduction of video data identified by another of the titles, the title jump skipping video data identified by the second title.

18. (Previously Presented) The apparatus of claim 17, wherein, if jump to a previous/next title is requested during reproduction of a title pertaining to the title block, the controller is configured to control the pickup to reproduce another entry title adjacent to and not pertaining to the title block.

19. (Previously Presented) The apparatus of claim 17, wherein the controller is configured to control the decoder to present one title menu item for all titles pertaining to the title block when outputting a title selection menu.

20. (Previously Presented) The apparatus of claim 17, wherein, if one title is not selected from the title block within a predetermined time, the controller configured to control the pickup to reproduce a video data section associated with a title in the title block specified to an entry title.